|   |      | T  | T    |  |                            |
|---|------|----|------|--|----------------------------|
|   | Туре | L# | Hits | Search Text  | DBs                        |
| 1 | BRS  | L1 | 7    | (rigid with sealing with (housing or casing)) and (clean\$3 with (fan or blades))  | USPA<br>T;<br>US-P<br>GPUB |
| 2 | BRS  | L2 | 234  | fan and (clean\$3 with<br>blades) and seal\$3 and<br>bearings and (housing or<br>casing)   | USPA<br>T                  |
| 3 | BRS  | L3 | 53   | fan and (clean\$3 with<br>blades) and seal\$3 and<br>bearings and (housing or<br>casing) and (seal\$3 with<br>bearings)                              | USPA<br>T                  |
| 4 | BRS  | L4 | 19   | fan and (clean\$3 with<br>blades) and seal\$3 and<br>bearings and (housing or<br>casing) and (seal\$3 with<br>bearings) and volt\$3                  | USPA<br>T                  |
| 5 | BRS  | L5 | 3    | fan and (clean\$3 with<br>blades) and seal\$3 and<br>bearings and (housing or<br>casing) and (seal\$3 with<br>bearings) and volt\$3                  | USOC<br>R                  |
| 6 | BRS  | L6 | O    | fan and (clean\$3 with blades) and seal\$3 and bearings and (housing or casing) and (seal\$3 with bearings) and ("dc" or "d.c." or "direct current") | USOC<br>R                  |

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|    | Туре | L#        | Hits | Search Text   | DBs                                       |
|----|------|-----------|------|---|---|
| 7  | BRS  | L7        | 12   | fan and (clean\$3 with<br>blades) and seal\$3 and<br>bearings and (housing or<br>casing) and (seal\$3 with<br>bearings) and ("dc" or<br>"d.c." or "direct current") | USPA<br>T                                 |
| 8  | BRS  | <b>L8</b> | 0    | fan and (clean\$3 with<br>blades) and seal\$3 and<br>bearings and (housing or<br>casing) and (seal\$3 with<br>bearings) and ("dc" or<br>"d.c." or "direct current") | EPO;<br>JPO;<br>DERW<br>ENT               |
| 9  | BRS  | L9        | 0    | fan and (clean\$3 with fan) and seal\$3 and bearings and (housing or casing) and (seal\$3 with bearings) and ("dc" or "d.c." or "direct current")                   | EPO;<br>JPO;<br>DERW<br>ENT               |
| 10 | BRS  | L10       | 20   | fan and (clean\$3 with fan) and seal\$3 and bearings and (housing or casing) and (seal\$3 with bearings) and ("dc" or "d.c." or "direct current")                   | T;<br>EPO;                                |
| 11 | BRS  | L13       | 93   | fan and (clean\$3 with<br>blade\$1) and seal\$3 and<br>bearing and fluid  | USPA<br>T;<br>EPO;<br>JPO;<br>DERW<br>ENT |

|    | Туре | L#  | Hits | Search Text  | DBs                                       |
|----|------|-----|------|--|---|
| 12 | BRS  | L14 | 10   | fan and (clean\$3 with<br>blade\$1) and seal\$3 and<br>bearing and fluid and volt  | USPA<br>T;<br>EPO;<br>JPO;<br>DERW<br>ENT |
| 13 | BRS  | L15 | 21   | fan and (clean\$3 with<br>blade\$1) and seal\$3 and<br>bearing and liquid and volt | USPA<br>T;<br>EPO;<br>JPO;<br>DERW<br>ENT |
| 14 | BRS  | L12 | 148  | fan and (clean\$3 with<br>blade\$1) and seal\$3 and<br>bearing and liquid          | USPA<br>T;<br>EPO;<br>JPO;<br>DERW<br>ENT |
| 15 | BRS  | L11 | 301  | fan and (clean\$3 with<br>blade\$1) and seal\$3 and<br>bearing                     | USPA<br>T;<br>EPO;<br>JPO;<br>DERW<br>ENT |
| 16 | BRS  | L16 | 150  | fan and (clean\$3 with<br>blade\$1) and seal\$3 and<br>bearing                     | USOC<br>R                                 |

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| ω  | N   | 7   |             |
|--|---|---|-------------|
| BRS  | BRS   | BRS   | Туре        |
| 5  | 5   | 5   | ۲<br>#      |
| 0  | 0   |   | Hits        |
| moisture near3<br>impermable near3 seal\$3 | moisture near3<br>impermable near3 seal                     | liquid near3 impermable<br>near3 seal                       | Search Text |
| USPA T; US-P GPUB ; EPO; JPO; DERW ENT     | USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT | USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT | DBs         |

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| 6 BRS L6 0  | 5 BRS L5 0  | 4 BRS L4 9  | Type L# Hits |
|---|---|---|--------------|
| seal\$3 near3 from near3<br>moisture                        | seal\$3 near3 from near3<br>liquid                          | impermable near3 seal\$3                                    | Search Text  |
| USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT | USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT | USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT | DBs          |

|   | Type | <b>F</b>   | Hits | Search Text                        | DBs   |
|---|------|------------|------|------------------------------------|---|
|   |      |            |      |                                    | USPA<br>T;<br>US-P  |
| 7 | BRS  | <b>L</b> 7 | 0    | seal\$3 near3 from near3<br>water  | GPOB;<br>; EPO;<br>JPO;<br>DERW<br>ENT                              |
| 8 | BRS  | 5          | 0    | seal\$4 near4 from near4<br>liquid | USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>JPO;<br>DERW<br>ENT |
| 9 | BRS  | 5          | 10   | seal\$4 near4 from                 | USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW                |

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| 12  | 1                                      | 10  |             |
|---|--|---|-------------|
| BRS   | BRS                                    | BRS   | Туре        |
| L12   | 5                                      | <b>L</b>  | #           |
| 891   | 4739                                   | 75041   | Hits        |
| 11 and fan  | 10 and air and circulat\$3             | seal\$4 near4 liquid  | Search Text |
| USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT | USPA T; US-P GPUB ; EPO; JPO; DERW ENT | USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT | DBs         |

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| 15<br>BRS   | 14 BRS  | 13 BRS                                     | Туре        |
|---|---|--|-------------|
| <b>5</b>  | <u> </u>  | <b>L</b> 13                                | <b>"</b>    |
| <b>7</b>  | <del>ပ</del> ဲ  | <b>1</b> 40                                | Hits        |
| Gray-Michael\$.xa. and fan                                  | Gray-Michael\$.xa. and fan<br>and seal\$3                   | 12 and ((casing or motor)<br>with seal\$3) | Search Text |
| USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT | USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT | USPA T; US-P GPUB ; EPO; JPO; DERW ENT     | DBs         |

| <b>&amp;</b>  | 17  | 6   |             |
|---|---|---|-------------|
| BRS   | BRS   | BRS   | Туре        |
| L19   | <b>L</b> 18   | L17   | г<br>#      |
| 97  | 258   | 4391  | Hits        |
| 18 and (fan or air)   | seal\$3 with motor with<br>bearings with liquid             | seal\$3 with motor with bearings                            | Search Text |
| USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT | USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT | USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT | DBs         |

| 21  | 20  | 19  |             |
|---|---|---|-------------|
| BRS   | BRS   | BRS   | Туре        |
| L22   | . 5   | L20   | L #         |
| N   | N   | N   | Hits        |
| 6177744.pn. and seal\$3<br>and (liquid or moisture or<br>fluid) | 6177744.pn. and seal\$3                                     | 6177744.pn.   | Search Text |
| USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT     | USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT | USPA<br>T;<br>US-P<br>GPUB<br>; EPO;<br>JPO;<br>DERW<br>ENT | DBs         |

| USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT             | fan and (seal with casing with (moisture or liquid))  | 29   | BRS  | 57       |
|--|---|------|------|----------|
| USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT             | fan and (seal with (moisture or liquid))  | 2659 | BRS  | 50       |
| USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT             | fan with liquid with seal with impermeable  | 0    | BRS  | IJ<br>IJ |
| )))<br>n USPAT; US-PGPUB;<br>EPO; JPO;<br>or DERWENT | ((((piston with (contact\$3 or colli\$5))) and (piston with sens\$3)) and (piston with sens\$3 with detect\$3)) and cylinder and (sens\$3 with (cylinder or piston) with signal\$3 with ends) | 56   | BRS  | 54       |
| USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT             | ((((piston with (contact\$3 or colli\$5))) and (piston with sens\$3)) and (piston with sens\$3 with detect\$3)) and cylinder and (sens\$3 with cylinder with signal\$3 with ends)             | 30   | BRS  | 53       |
| USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT             | ((((piston with (contact\$3 or colli\$5))) and (piston with sens\$3)) and (piston with sens\$3 with detect\$3)) and cylinder and (sens\$3 with cylinder with signal\$3)                       | 157  | BRS  | 52       |
| DBs  | Search Text   | Hits | Туре |          |

|    | Туре | Hits | Search Text  | DBs                                      |
|----|------|------|--|--|
| 58 | BRS  | 23   | fan and air and (seal with casing with (moisture or liquid))                             | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 59 | BRS  | 82   | fan and air and (seal\$3 with casing with (moisture or liquid))                          | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 60 | BRS  | 904  | fan and (circulat\$3 with air) and (prevent\$3 with moisture)                            | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 61 | BRS  | 7    | fan and (circulat\$3 with air) and (prevent\$3 with moisture with seal\$3)               | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 62 | BRS  | 28   | (415/\$.ccls. or 417/\$.ccls.) and (air with circulat\$3) and (prevent\$3 with moisture) | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 63 | BRS  | 99   | (cool\$3 with fan) and (seal\$3 with (casing or bearing) with (moisture or liquid))      | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 64 | BRS  | 30   | (air with circulat\$4 with fan) and (seal with prevent\$3 with moisture)                 | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |

| USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT             | fan and (seal with casing with (moisture or liquid))   | 29   | BRS  | 57              |
|--|--|------|------|-----------------|
| USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT             | fan and (seal with (moisture or liquid))   | 2659 | BRS  | 56              |
| USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT             | fan with liquid with seal with impermeable   | 0    | BRS  | <u>បា</u><br>បា |
| )))<br>n USPAT;/US-PGPUB;<br>EPO; JPO;<br>or DERWENT | ((((piston with (contact\$3 or colli\$5))) and (piston with sens\$3)) and (piston with sens\$3)) and (piston with sens\$3 with detect\$3)) and cylinder and (sens\$3 with (cylinder or piston) with signal\$3 with ends) | 56   | BRS  | 54              |
| USPAT; US-PGPUB;<br>EPO; UPO;<br>DERWENT             | (((((piston with (contact\$3 or colli\$5))) and (piston with sens\$3)) and (piston with sens\$3 with detect\$3)) and cylinder and (sens\$3 with cylinder with signal\$3 with ends)                                       | O O  | BRS  | 53              |
| USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT             | ((((piston with (contact\$3 or colli\$5))) and (piston with sens\$3)) and (piston with sens\$3 with detect\$3)) and cylinder and (sens\$3 with cylinder with signal\$3)  | 157  | BRS  | 52              |
| DBs  | Search Text  | Hits | Туре |                 |

|    | Туре | Hits     | Search Text  | DBs                                      |
|----|------|----------|--|--|
| 58 | BRS  | 23       | fan and air and (seal with casing with (moisture or liquid))                             | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 59 | BRS  | <b>8</b> | fan and air and (seal\$3 with casing with (moisture or liquid))                          | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 60 | BRS  | 904      | fan and (circulat\$3 with air) and (prevent\$3 with moisture)                            | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 61 | BRS  | 7        | fan and (circulat\$3 with air) and (prevent\$3 with moisture with seal\$3)               | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 62 | BRS  | 28       | (415/\$.ccls. or 417/\$.ccls.) and (air with circulat\$3) and (prevent\$3 with moisture) | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 63 | BRS  | 99       | (cool\$3 with fan) and (seal\$3 with (casing or bearing) with (moisture or liquid))      | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 64 | BRS  | 30       | (air with circulat\$4 with fan) and (seal with prevent\$3 with moisture)                 | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 65 | BRS  | 90       | "explosion-proof motor"  | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |

| plosion-proof motor" and (fan or plosion-proof motor" with (liquid moisture)) and (fan or air) aled near3 motor near3 air) and aled near3 motor near3 air) and ect current or "dc" or "d.c.") 70596" and fan | 911 "dc motor" with fan                 | BRS   | 73       |
|--|---|-------|----------|
| notor" with (liquid an or air)  or) and fan  or near3 air) and dc" or "d.c.")  | *************************************** |       |          |
| notor" with (liquid fan or air)  or) and fan  or near3 air) and 'dc" or "d.c.")  |   |       | <u> </u> |
|  | 1 "527                                  | BRS   | 72       |
| <u> </u>   |   |       |          |
|  | 3 "527                                  | BRS   | 71       |
| <u> </u>   |   |       |          |
| <u> </u>   |   |       |          |
| <u> </u>   | 54 (dire                                | BRS 4 | 70       |
| <u> </u>   | (603                                    |       |          |
| <u> </u>   | 2                                       |       |          |
| <u> </u>   | 29 (Sea                                 | BRS : | 69       |
| ۵  |   |       |          |
| ٥  |   |       |          |
| ٥  | 482 (sea                                | BRS   | 89       |
| ٥  | •••••                                   |       |          |
| <u>a</u>   | 9                                       |       |          |
|  | 3 ( ex                                  | BRS : | 67       |
|  | /# <b>&gt;</b> \                        |       |          |
|  |   |       |          |
|  | 44                                      | BRS   | 66       |
| USPAT: US-PGPUB:   |   |       |          |
| Search Text UBS  |   | Type  |          |

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| •  | Туре | Hits         | Search Text                | DBs                                      |
|----|------|--------------|----------------------------|--|
| 74 | BRS  | 31           | Gray-Michael\$.xa. and fan | USPAT; US-PGPUB;<br>EPO; JPO;            |
| 75 | BRS  | N            | 6454539.pn.                | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 76 | BRS  | 1            | "4776761"                  | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 77 | BRS  | <b>&amp;</b> | "5245691"                  | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 78 | BRS  | ហ            | "5252795"                  | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 79 | BRS  | 17           | "5304035"                  | USPAT; US-PGPUB;<br>EPO; JPO;<br>DERWENT |

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|    | Туре | L#  | Hits       | Search Text  | DBs       |
|----|------|-----|------------|--|-----------|
| 1  | BRS  | L1  | 67         | 416/\$.ccls. and (box<br>near3 fan)  | USP<br>AT |
| 2  | BRS  | L2  | 104<br>826 | 416/\$.ccls. or<br>417/\$.ccls. or<br>415/\$.ccls.                                 | USP<br>AT |
| 3  | BRS  | L3  | 78         | 2 and (fan with housing) and (housing with front with rear) and motor and electric | USP<br>AT |
| 4  | BRS  | L4  | 33         | 2 and (fan with housing) and (housing with front with back) and motor and electric | USP<br>AT |
| 5  | BRS  | L5  | 871        | 2 and (fan near2 housing)  | USP<br>AT |
| 6  | BRS  | L6  | 7          | 2 and (fan near2<br>housing) and ("12<br>volt" or "twelve<br>volt")                | USP<br>AT |
| 7  | BRS  | L7  | 72         | 2 and (fan near2<br>housing) and ("dc"<br>or "direct current"<br>or "d.c.")        | USP<br>AT |
| 8  | BRS  | L8  | 303        | 417/423.1.ccls.  | USP<br>AT |
| 9  | BRS  | L9  | 249<br>0   | D\$/\$.ccls. and fan   | USP<br>AT |
| 10 | BRS  | L10 | 32         | 9 and (box near2<br>fan)   | USP<br>AT |

|    | Туре | L#  | Hits | Search Text   | DBs       |
|----|------|-----|------|---------------|-----------|
| 11 | BRS  | L11 | 123  | D23/381.ccls. | USP       |
| 12 | BRS  | L12 | 234  | D23/382.ccls. | USP<br>AT |

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|---|-------------|----|------|--|--|
|   | Туре        | L# | Hits | Search Text  | DBs  |
| 1 | BRS         | L1 | 29   | ((fan) or (air near2<br>circulat\$3)) and<br>(motor with<br>impermeable) | USP<br>AT;<br>EPO<br>;<br>JPO<br>DER<br>WEN<br>T |
| 2 | BRS         | L2 | 9    | fan with motor with<br>impermeable                                       | USP<br>AT;<br>EPO<br>;<br>JPO<br>DER<br>WEN      |
| 3 | BRS         | L3 | 7    | fan with motor with<br>watertight  | USP<br>AT;<br>EPO<br>;<br>JPO<br>DER<br>WEN<br>T |
| 4 | BRS         | L4 | 375  | fan with motor with<br>sealed  | USP<br>AT;<br>EPO<br>;<br>JPO<br>DER<br>WEN<br>T |

|   | Туре | L# | Hits | Search Text  | DBs   |
|---|------|----|------|--|---|
| 5 | BRS  | L5 | 57   | fan with motor with<br>sealed with cas\$3  | USP<br>AT;<br>EPO;<br>JPO;<br>DER<br>WEN<br>T |
| 6 | BRS  | L6 | 57   | (fan with motor with<br>sealed with cas\$3)<br>and seal\$3                                   | USP<br>AT;<br>EPO;<br>JPO;<br>DER<br>WEN<br>T |
| 7 | BRS  | L7 | 12   | (fan with motor with<br>sealed with cas\$3)<br>and seal\$3 and<br>(plastic or<br>polymer\$3) | USP<br>AT;<br>EPO;<br>JPO;<br>DER<br>WEN<br>T |